

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	enhanced adj3 relational adj3 algebra	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2008/01/31 08:43
L2	64	(xml and schema and transform\$2).ab.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2008/01/31 08:44
L3	45	(xml and schema and transform\$2).ab. and @ad<"20040318"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2008/01/31 08:44
L4	0	(executing adj2 quer\$3) same ((modify or modifying or update or updating or change or changes) near node)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2008/01/31 08:47
L5	42	execut\$3 same quer\$3 same ((modif\$4 or updat\$3 or chang\$3) near node)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2008/01/31 08:49
L6	11	execut\$3 same quer\$3 same ((modif\$4 or updat\$3 or chang\$3) near node) same tree same node	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2008/01/31 08:50
L7	0	execut\$3 same quer\$3 same ((modif\$4 or updat\$3 or chang\$3) near node) same tree same xml	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2008/01/31 08:50
L8	9	execut\$3 same quer\$3 same ((modif\$4 or updat\$3 or chang\$3) near node) same tree and xml	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2008/01/31 08:50

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L9	0	execut\$3 same quer\$3 same ((modif\$4 or updat\$3 or chang\$3) near node) same tree and dom	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2008/01/31 08:51
L10	0	execut\$3 same quer\$3 same ((modif\$4 or updat\$3 or chang\$3) near node) and tree and dom	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2008/01/31 08:51
L11	34	execut\$3 same quer\$3 and ((modif\$4 or updat\$3 or chang\$3) near node) and tree and dom	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2008/01/31 08:51
L12	14	execut\$3 same quer\$3 and ((modif\$4 or updat\$3 or chang\$3) near node) and tree and dom and schema	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2008/01/31 08:51
L13	14	execut\$3 same quer\$3 and ((modif\$4 or updat\$3 or chang\$3) near node) and tree and dom and schema and node\$1	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2008/01/31 08:52
L14	8	execut\$3 same quer\$3 and ((modif\$4 or updat\$3 or chang\$3) near node) and tree and dom and schema and node\$1 and @ad<"20040318"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2008/01/31 08:52
L15	779	updat\$3 same quer\$3 same xml	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2008/01/31 08:52
L16	74	updat\$3 near quer\$3 same xml	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2008/01/31 08:52

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L17	13	updat\$3 near quer\$3 same xml and dom	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2008/01/31 08:52
L18	12	updat\$3 near quer\$3 same xml and dom and @ad<"20040318"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2008/01/31 08:53
L19	643	dom same (modi\$4 or chang\$3) and @ad<"20040318"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2008/01/31 08:53
L20	62	dom near (modi\$4 or chang\$3) and @ad<"20040318"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2008/01/31 08:54
L21	47	dom near (modi\$4 or chang\$3)and xml and @ad<"20040318"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2008/01/31 08:54
L22	75	dom near (modi\$4 or chang\$3 or updat\$3)and xml and @ad<"20040318"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2008/01/31 08:54
L23	0	dom near (modi\$4 or chang\$3 or updat\$3)adj3 (quer\$3 or search\$3) and xml and @ad<"20040318"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2008/01/31 08:55
L24	33831	(707/1-4,10-100,101,102,103). ccls.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2008/01/31 08:56

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L25	0	24 and (absrtact near syntax near tree)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2008/01/31 08:56
L26	44	24 and (abstract near syntax near tree)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2008/01/31 08:56
L27	26	24 and (abstract near syntax near tree)and xml	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2008/01/31 08:57
L28	9	24 and (abstract near syntax near tree)and xml and @ad<"20040318"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2008/01/31 08:57
L29	3	24 and (abstract near syntax near tree)and xml and dom and @ad<"20040318"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2008/01/31 08:57
L30	46	(abstract near quer\$3) and (transfor\$4 or transl\$4 or modif\$4 or conver\$7) same xml same (relational ot table\$3)and @ad<"20040318"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2008/01/31 08:59
L31	46	(abstract near quer\$3) and (transfor\$4 or transl\$4 or modif\$4 or conver\$7) same xml same (relational or table\$3)and @ad<"20040318"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2008/01/31 08:59
L32	38	24 and (abstract near quer\$3) and (transfor\$4 or transl\$4 or modif\$4 or conver\$7) same xml same (relational or table\$3)and @ad<"20040318"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2008/01/31 09:00

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L33	164	xpath near quer\$3 and (transform\$6 or transla\$4 or convert\$4) same xml	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2008/01/31 09:02
L34	16	xpath near quer\$3 and (transform\$6 or transla\$4 or convert\$4) same xml same relational and 24 and @ad<"20040318"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2008/01/31 09:02

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### 1 [Preparing heterogeneous XML for full-text search](#)



Miro Lehtonen

October 2006 **ACM Transactions on Information Systems (TOIS)**,

Volume 24 Issue 4

Publisher: ACM

 Full text available: [pdf\(228.25 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

XML retrieval is facing new challenges when applied to heterogeneous XML documents, where next to nothing about the document structure can be taken for granted. We have developed solutions where some of the heterogeneity issues are addressed. Our fragment ...

**Keywords:** XML retrieval, heterogeneous documents, indexing

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### 2 [Consistently updating XML documents using incremental constraint check queries](#)



Bintou Kane, Hong Su, Elke A. Rundensteiner

November 2002 **WIDM '02**: Proceedings of the 4th international workshop on Web information and data management

Publisher: ACM

 Full text available: [pdf\(399.07 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

When updating a valid XML document, an efficient yet light-weight mechanism is needed to determine if the up-date would invalidate the document. Towards this goal, we developed a framework called SAXE, we first analyzed the constraints expressed in XML ...

**Keywords:** XML schema, XML update, XQuery

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### 3 [Efficient LCA based keyword search in xml data](#)



Yu Xu, Yannis Papakonstantinou

November 2007 **CIKM '07**: Proceedings of the sixteenth ACM conference on Conference on information and knowledge management

Publisher: ACM



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### 1 [A semantic network-based design methodology for XML documents](#)



Ling Feng, Elizabeth Chang, Tharam Dillon

October 2002 **ACM Transactions on Information Systems (TOIS)**,

Volume 20 Issue 4

**Publisher:** ACM

Additional Information: [full citation](#), [abstract](#),

Full text available: [pdf\(285.64 KB\)](#)

[references](#), [cited by](#), [index terms](#)

The eXtensible Markup Language (XML) is fast emerging as the dominant standard for describing and interchanging data among various systems and databases on the Internet. It offers the Document Type Definition (DTD) as a formalism for defining the syntax ...

**Keywords:** XML, XML Schema, conceptual modeling, design methodology, semantic network

### 2 [Approximate XML document matching](#)



E. Rodney Canfield, Guangming Xing

March 2005 **SAC '05: Proceedings of the 2005 ACM symposium on Applied computing**

**Publisher:** ACM

Additional Information: [full citation](#), [abstract](#),

Full text available: [pdf\(123.07 KB\)](#)

[references](#), [cited by](#), [index terms](#), [review](#)

Regular Hedge Grammar is a formal method to specify XML schema. XML document can be viewed as an ordered labeled tree. Computing the approximate matching between an XML document with a schema with minimum cost is not only theoretically interesting. This ...

**Keywords:** XML, approximate matching, design of algorithm, document transformation, tree, tree grammar

3

### [Visibly pushdown automata for streaming XML](#)



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### 1 [A semantic network-based design methodology for XML documents](#)



Ling Feng, Elizabeth Chang, Tharam Dillon

October 2002 **ACM Transactions on Information Systems (TOIS)**,

Volume 20 Issue 4

**Publisher:** ACM

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**Keywords:** XML, XML Schema, conceptual modeling, design methodology, semantic network

### 2 [Visibly pushdown automata for streaming XML](#)



Viraj Kumar, P. Madhusudan, Mahesh Viswanathan

May 2007 **WWW '07: Proceedings of the 16th international conference on World Wide Web**

**Publisher:** ACM

Full text available: [pdf\(233.17 KB\)](#) Additional Information: [full citation](#), [abstract](#),  
[references](#), [index terms](#)

We propose the study of visibly pushdown automata (VPA) for processing XML documents. VPAs are pushdown automata where the input determines the stack operation, and XML documents are naturally visibly pushdown with the VPA pushing onto the stack on open-tags ...

**Keywords:** XML, pushdown automata, query, schema, streaming algorithms, typing

### 3 [Active rules for XML: A new paradigm for E-services](#)

Angela Bonifati, Stefano Ceri, Stefano Paraboschi



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1 [A semantic network-based design methodology for XML documents](#)



Ling Feng, Elizabeth Chang, Tharam Dillon

October 2002 **ACM Transactions on Information Systems (TOIS)**,

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The eXtensible Markup Language (XML) is fast emerging as the dominant standard for describing and interchanging data among various systems and databases on the Internet. It offers the Document Type Definition (DTD) as a formalism for defining the syntax ...

**Keywords:** XML, XML Schema, conceptual modeling, design methodology, semantic network

2 [Active rules for XML: A new paradigm for E-services](#)

Angela Bonifati, Stefano Ceri, Stefano Paraboschi

August 2001 **The VLDB Journal — The International Journal on Very**

**Large Data Bases**, Volume 10 Issue 1

**Publisher:** Springer-Verlag New York, Inc.

Full text available: pdf(81.58 KB)

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XML is rapidly becoming one of the most widely adopted technologies for information exchange and representation. As the use of XML becomes more widespread, we foresee the development of active XML rules, i.e., rules explicitly designed for the management ...

**Keywords:** Active databases, Document management, Query languages for XML, XML, XSLT

3 [The complexity of XPath query evaluation](#)

Georg Gottlob, Christoph Koch, Reinhard Pichler